CLAIM AMENDMENTS

<u>Listing of Claims:</u>

This listing of claims reflects all claim amendments and replaces all prior versions, and listings, of claims in this application. Material to be inserted is in underline, and material to be deleted is in ~~strikeout~~. Where five (5) letters or less have been deleted, [[double brackets]] have been utilized.

1-28. (Canceled)

29. (Currently Amended) A method of transferring digital content from a mobile wireless information apparatus to a wireless output device by short range wireless communication,

<u>the wireless output device being associated with a television, and</u>

<u>the transferring of digital content from the mobile wireless information apparatus to the wireless output device being without the need for synchronizing digital content with a personal computer, and</u>

the mobile wireless information apparatus <u>being at least one of a smart phone or an Internet-Pad, and</u>

<u>the mobile wireless information apparatus</u> including<u>:</u>

<u>an operating system,</u>

<u>one or more client application(s) running at the mobile wireless information apparatus facilitated by the operating system included in the mobile wireless information apparatus,</u>

<u>a touch sensitive screen,</u>

<u>a graphical user interface over a touch sensitive screen of the mobile wireless information apparatus for interacting with a user,</u>

a wireless communication unit for short range wireless communication with one or more output devices, the short range wireless communication unit not including the Internet in between the mobile wireless information apparatus and the wireless output device, ~~an interface for interacting with a user~~, the wireless output device being

associated with a television and not associated with a printing device, and the wireless output device being a distinct device from the mobile wireless information apparatus, the method comprising:

downloading at by the mobile wireless information apparatus the digital content from a server over the Internet to the mobile wireless information apparatus, the digital content includes video content;

opening a wireless communication channel at the wireless communication unit of the mobile wireless information apparatus, the wireless communication channel being a short range wireless communication that is compatible with one within IEEE802.11 wireless standard or being one compatible with Bluetooth™ standard;

searching at the mobile wireless information apparatus wirelessly over said wireless communication channel for one or more wireless output devices available for wireless connection, the searching over the wireless communication channel not related to the searching over the Internet or via the Internet;

receiving at the mobile wireless information apparatus over the wireless communication channel a device dependent attribute that corresponds to each wireless output device found in the wireless search over the wireless communication channel, and includes at least one of a name, a device identity, a device type, a device address, a security code, and a device profile corresponding to each of the one or more wireless output device;

selecting over the graphical user interface at the mobile wireless information apparatus a wireless output device associated with the television discovered in the search based at least in part on the received device dependent attributes received over the wireless communication channel from each of the one or more wireless output devices, the selected wireless output device being associated with the television and not associated with a printing device,

establishing at the mobile wireless information apparatus a short range wireless connection between the mobile wireless information apparatus and the selected wireless output device that is associated with the television and not associated with a printing device, the short range wireless connection not including an external print server being external to the mobile wireless information apparatus and the selected

wireless output device, and the short range wireless connection not including the Internet in between the mobile wireless information apparatus and the selected wireless output device, and the short range wireless connection being compatible with one within IEEE802.11 wireless standard or being compatible with Bluetooth™ standard;

conforming by the one or more client application(s) running at the mobile wireless information apparatus at least part of the digital content into an output data, the output data being related to the digital content that includes video content and the output data including a format, protocol, or language that is acceptable for transferring to the selected wireless output device associated with the television for output, the conforming of the digital content into an output data includes an encryption a compression and/or decompression operation; and

transferring the output data over the short range wireless connection to the selected wireless output device associated with the television for output of the digital content that includes the video content, the transferring of the output data over the short range wireless connection not including transferring the output data over the Internet or via the Internet, and

wherein, the mobile wireless information apparatus being at least one of a smart phone or an Internet-Pad, is able to transfer digital content downloaded from the Internet to the wireless output device associated with a television without depending on synchronizing the digital content with a personal computer.

30. (Previously Presented) The method according to claim 29, further comprising, after selecting a wireless output device:

obtaining a security key from the user;

sending the security key over the wireless communication channel for authentication;

receiving over the wireless communication channel at least an indication related to a successful security key authentication; and

utilizing the authenticated security key to establish a restricted wireless access to the selected wireless output device.

31. (Currently Amended) A method of restricted wireless transfer of digital content from a mobile wireless information apparatus to a wireless output device by short range wireless communication that does not include transferring digital content over the Internet, the digital content being stored locally at the mobile wireless information apparatus or accessible over the Internet to the mobile wireless information apparatus or downloadable from a server over a network to the mobile wireless information apparatus, wherein the mobile wireless information apparatus includes

a wireless communication unit for short range wireless communication with one or more wireless devices, the short range communication does not include the Internet in between the mobile wireless information apparatus and the wireless output device, and the mobile wireless information apparatus, and the wireless output device being a distinct device from the mobile wireless information apparatus, and

a touch sensitive screen,

a graphical user [[an]] interface for interacting with a user, the interface including at least a over the touch sensitive screen,

an operating system,

one or more client applications running at the mobile wireless information apparatus facilitated by the operating system included in the mobile wireless information apparatus,

the method comprising:

receiving over the touch sensitive interface of the mobile wireless information apparatus at least an indication related to a selected digital content for output;

opening a wireless communication channel at the wireless communication unit of the mobile wireless information apparatus;

obtaining at the mobile wireless information apparatus over the wireless communication channel at least one attribute corresponding to one or more selected wireless output device including one or more of name, a device type, a device identity, a device address, and a[[n]] device profile related to each of the wireless device;

selecting at the mobile wireless information apparatus a wireless output device based at least in part on the attributes obtained over the wireless communication channel;

obtaining at the mobile wireless information apparatus a security key from the user for accessing the selected wireless output device;

sending at the mobile wireless information apparatus the security key over the wireless communication channel for authenticating access of the mobile wireless information apparatus to the selected wireless output device;

receiving over the wireless communication channel at least an indication related to a successful security key authentication, and in dependence of a successful security key authentication,

establishing a restricted wireless connection between the mobile wireless information apparatus and the selected wireless output device, the restricted wireless connection being compatible with one within IEEE802.11 wireless standard or being one compatible with Bluetooth™ standard, and the restricted wireless connection not including the Internet,

conforming by the one or more client applications running at the mobile wireless information apparatus at least part of the selected content into an output data, the output data being related to the selected content and including a format, protocol, or language that is acceptable for transferring to the selected wireless output device over the restricted wireless connection that does not include the Internet,

transferring the output data over the restricted wireless communication channel from the mobile wireless information apparatus to the selected wireless output device, wherein the restricted wireless communication channel being compatible with one within IEEE802.11 wireless standard or being one compatible with Bluetooth™ standard, and the transferring of the output data from the mobile wireless information apparatus to the selected wireless output device not including transferring over the Internet or via the Internet, and

wherein, the mobile wireless information apparatus is able to transfer digital content from the mobile wireless information apparatus to the wireless output device without depending on synchronizing the digital content with a personal computer.

32. (Previously Presented) The method of claim 31 in which said security key comprises at least one of a user name, password, ID number, signatures, security keys

(physical or digital), biometrics, fingerprints, and a voice.

33. (Previously Presented) The method of claim 31 in which the step of obtaining said security key comprises inputting by the user or retrieving a key that was previously stored in the mobile wireless information apparatus.

39. (Previously Presented) The method according to claim 31 in which the wireless output device is an audio device.

40. (Previously Presented) The method according to claim [[29]] 31 in which the mobile wireless information apparatus includes a desktop computer, a laptop computer, a networked computer, a palmtop computer, a hand-held computer, a personal digital assistant, an Internet phone, a smart phone, an Internet appliance, or an Internet pad, individually or in any combination.

41. (Previously Presented) The method according to claim 29 in which the mobile wireless information apparatus further includes a client application with one or more functionalities that include one or more of Internet browsing, outputting content, content selection, content creation, and content editing, individually or in any combination.

42. (Previously Presented) The method of claim 29 in which conforming at the mobile wireless information apparatus at least part of the digital content into an output data includes using as least in part the said device dependent attribute received over the wireless communication channel from the selected wireless output device.

43. (Currently Amended) The method of claim 29 in which the conforming of the digital content further includes an encryption and/or a decryption ~~a compression and or a decompression~~ operation.

44. (Currently Amended) The method of claim 29 in which the device profile

includes information relating to at least one of quality of service, billing, pricing, security, identification and compatibility associated with the wireless output device.

45. (Previously Presented) The method of claim 31 further comprising discovering over the wireless communication channel one or more wireless output devices available for wireless connection.

46. (Previously Presented) The method of claim 31 in which conforming at the mobile wireless information apparatus at least part of the selected content into an output data includes using at least in part the said attribute received over the wireless communication channel.

47. (Currently Amended) The method according to claim 31 in which the [[the]] wireless communication between the mobile wireless information apparatus and the output devices includes the mobile wireless information apparatus communicating with the output device via a wireless output controller associated with the wireless output device.

48. (Currently Amended) The method according to claim 31 in which obtaining over the wireless communication channel at least one ~~attribute includes obtaining over the wireless communication channel at least one~~ attribute from a wireless output controller associated with one or more wireless output devices.

49. (Currently Amended) The method of claim 31 further including receiving over the wireless communication information relating to one or more of quality of service, billing, pricing, identification and compatibility associated with the wireless output device.

50. (Currently Amended) A method of transferring digital audio or video content from [[an]] mobile wireless information apparatus to a wireless output device by short range wireless communication,

the wireless output device being associated with a television, wherein the mobile wireless information apparatus includes:

a touch sensitive screen,

a graphical user interface over a touch sensitive screen of the mobile wireless information apparatus for interacting with a user,

an operating system,

a client application running at the mobile wireless information apparatus facilitated by the operating system included in the mobile wireless information apparatus, the client application ~~that~~ enabling user viewing or outputting of at least part of the digital audio or video content with the mobile wireless information apparatus, the client application operation at least partly in accordance to an object or a component model, the mobile wireless information apparatus further including at least one wireless communication unit for short range wireless communication with one or more wireless output device, the short range wireless communication not including the Internet in between the mobile wireless information apparatus and the wireless output device, and the wireless output device being a distinct device from the mobile wireless information apparatus, the method comprising:

opening at the mobile wireless information apparatus a wireless communication channel the wireless communication channel being compatible with one within IEEE802.11 wireless standard or being one compatible with Bluetooth™ standard;

searching wirelessly over the wireless communication channel for a wireless device that is available for wireless connection, the searching over the wireless communication channel not related to searching over the Internet or via the Internet;

receiving at the mobile wireless information apparatus over the wireless communication channel a device dependent attribute corresponding to each wireless device found in the wireless search and being one or more of a name, a device identity, a device type, a device address, an authentication information, and a device profile;

selecting at the mobile wireless information apparatus a wireless output device found in the wireless search based at least in part on the received device dependent attributes over the wireless communication channel, the selected wireless output device being associated with the television;

establishing a short range wireless connection between the mobile wireless information apparatus and the selected wireless output device, the wireless connection not including an external print server being external to the mobile wireless information apparatus and the wireless output device, the short range wireless connection being compatible with one within IEEE802.11 wireless standard and being one compatible with Bluetooth™ standard, and the short range wireless connection does not include the Internet between the mobile wireless information apparatus and the selected wireless output device;

conforming at the mobile wireless information apparatus at least part of the digital audio or video content into an audio or video output data, the audio or video output data being related to the audio or video content and including a format, protocol, or language that is acceptable for transferring to the selected <u>wireless</u> output device; and

transferring the audio or video output data over the wireless connection from the mobile wireless information apparatus to the selected wireless output device associated with a Television for output, the transferring of the output data over the short range wireless connection not including transferring the output data over the Internet or via the Internet<u>, and</u>

<u>wherein, the transferring of the audio or video output data over the wireless connection from the mobile wireless information apparatus to the selected wireless output device associated with a television being without depending on synchronizing digital content with a personal computer.</u>

51. (Currently Amended) The method according to claim 50 in which the mobile wireless information apparatus includes at least one of a desktop computer, a laptop computer~~s~~ a networked computer, a hand-held computer, an Internet enabled mobile phone, a smart phone, an Internet appliance, and a<u>n</u> Internet pad, individually or in any combination.

52. (Currently Amended) The method according to claim 50 in which the client application accesses the digital audio or video content with an Internet browser that enables downloading of ~~the~~ <u>said</u> digital ~~audio~~ content over the Internet.

53. (Previously Presented) The method according to claim 50 in which the client application further includes audio or video content selection, creation or editing applications for selecting, creating or editing of the audio or video content at the mobile wireless information apparatus.

54. (Currently Amended) The method according to claim 50 in which the mobile wireless information apparatus further includes a memory component and a mobile operation system and the audio and video content is stored locally in the memory component of the mobile wireless information apparatus and the client accesses the digital audio or video content locally for sending to the <u>wireless</u> output device over the wireless communication channel, the access of the audio or video content facilitated at least partly by the mobile operation system in the mobile wireless information apparatus.

55. (Previously Presented) The method according to claim 50, further comprising:
obtaining a security key;
sending the security key over the wireless communication channel for authentication;
receiving over the wireless communication channel at least an indication related to a successful security key authentication; and
utilizing the authenticated security key to establish restricted wireless access to the selected wireless output device.

56. (Currently Amended) The medium according to claim 59 further comprising software for obtaining an authentication information at the <u>smart</u> mobile phone information apparatus for accessing the selected output wireless <u>output</u> device, and software for sending at least part of the authentication information over the wireless communication channel for authenticating access to the select<u>ed</u> wireless output device.

57. (Currently Amended) The ~~method~~ medium according to claim 59 in which the software for conforming at the smart mobile phone ~~information apparatus~~ at least part of the content into an output data includes at least a compression and/or a decompression operation.

58. (Previously Presented) The method according to claim 50 in which conforming at the mobile wireless information apparatus at least part of the digital audio or video content into an audio or video output data including using at least in part the said device dependent attribute received over the wireless communication channel from the selected wireless output device.

59. (Currently Amended) A non-transitory computer readable medium containing software for transferring digital content from a mobile smart phone ~~information apparatus~~ to a wireless output device by short range wireless communication, the digital content being previously stored locally at the mobile smart phone ~~information apparatus~~ or downloaded from a server over the Internet to the mobile smart phone ~~information apparatus~~, wherein the mobile smart phone ~~information apparatus including~~ includes:

a wireless communication unit for wireless communication,

a touch sensitive screen,

a graphical user [[an]] interface over the touch sensitive screen of the mobile smart phone for interacting with a user, ~~and~~

a mobile smart phone operation system, and

one or more client applications running at the mobile smart phone facilitated by the mobile smart phone operating system included in the mobile smart phone, the short range wireless communication not including the Internet in between the mobile smart phone ~~information apparatus~~ and the wireless output device, and the wireless output device being a distinct device from the mobile smart phone ~~wireless information apparatus~~, the medium comprising:

software for opening a wireless communication channel ~~from~~ at the mobile smart

phone for wireless communication ~~information apparatus~~, the wireless communication channel being compatible with one within IEEE802.11 wireless standard or being one compatible with Bluetooth™ standard;

software for searching wirelessly over the wireless communication channel for a wireless output device that is available for wireless connection, the searching over the wireless communication channel not related to searching over the Internet or via the Internet;

software for receiving at the mobile phone smart ~~information apparatus~~ over the wireless communication channel a device dependent attribute corresponding to each wireless output device found in the wireless search and being at least one of a name, a device identity, a device type, a device address number, a security code, a device profile;

software for selecting at the mobile smart phone ~~information apparatus~~ a wireless output device found in the search based at least in part on the received device dependent attributes received over the wireless communication channel~~, the wireless output device being at least one of a printing device, an audio device and a display device~~;

software for establishing a wireless connection between the mobile smart phone ~~information apparatus~~ and the selected wireless output device, the wireless communication connection being compatible with one within IEEE802.11 wireless standard or being one compatible with Bluetooth™ standard, and the wireless connection between the mobile smart phone ~~information apparatus~~ and the selected wireless output device not including the Internet;

software for obtaining by the one or more client applications at the mobile smart phone ~~information apparatus~~ the digital content facilitated at least partly by the mobile smart phone operation system;

software for conforming at the mobile smart phone ~~information apparatus~~ at least part of the digital content into an output data, the output data related to the digital content and including a format, protocol or language that is acceptable for transferring to the selected wireless output device ~~the conforming of the output data includes an encryption operation~~; and

software for obtaining at the mobile smart phone a security key for accessing the selected wireless output device;

software for sending from the mobile smart phone the security key over the wireless communication channel for establishing a restricted wireless connection to the selected wireless output device;

software for transferring the output data over the restricted wireless connection from the smart mobile phone ~~information apparatus~~ to the selected wireless output device for output, the transferring of the output data does not include transferring over the Internet or via a network that includes the Internet, and

wherein, the transferring of the output data over the wireless connection from the mobile smart phone to the selected wireless output device being without depending on synchronizing digital content with a personal computer.